

Math 0371 Course Syllabus

Elementary and Intermediate Algebra by Bittenger, Ellenbogen, and Johnson (Fourth Edition)

<u>Required Sections</u>		<u>Suggested Homework Exercises</u>	
Preparatory Discussion on Combining Like Terms		§1.6	117 – 133 odd
		§1.8	71 – 99 odd
§2.1	Solving Equations	§2.1	1 – 77 odd
§2.2	Using the Principles Together	§2.2	7 – 85 odd, 93 -103 odd
§2.3	Formulas	§2.3	1 - 39 odd, 45, 46, 53, 54, 55
§2.5	Problem Solving	§2.5	1 – 43 odd, 42, 49, 60, 61, 63
§2.6	Solving Inequalities	§2.6	13 – 93 odd, 99, 101 – 104 all
§2.7	Solving Applications with Inequalities	§2.7	1 – 39 odd, 49, 51
§3.1	Reading Graphs, Plotting Points, and Scaling Graphs	§3.1	21, 23, 27, 29, 41 – 51 odd, 61, 63, 65,
§3.2	Graphing Linear Equations	§3.2	1 – 37 odd
§3.3	Graphing and Intercepts	§3.3	1 – 6 all, 7 – 81 odd
§3.5	Slope	§3.5	11 – 73 odd
§4.1	Exponents and Their Properties	§4.1	9 – 87 odd
§4.2	Polynomials	§4.2	9 – 67 odd
§4.3	Addition and Subtraction of Polynomials	§4.3	1 – 15 odd, 25 – 45 odd, 51 – 61 odd, 62, 63, 67, 69, 70
§4.4	Multiplication of Polynomials	§4.4	5 – 71 odd, 72, 77 – 82 all
§4.5	Special Products	§4.5	5 – 103 odd, 123, 125, 126
§4.6	Polynomials in Several Variables	§4.6	1 – 13 odd, 21 – 69 odd, 93, 95
§4.7	Division of Polynomials	§4.7	1 – 37 odd
§4.8	Negative Exponents and Scientific Notation	§4.8	1 – 121 odd
§5.1	Introduction to Factoring	§5.1	15 – 61 odd
§5.2	Factoring Trinomials of the Type $x^2 + bx + c$	§5.2	7 – 63 odd, 64, 84, 85, 88, 89
§5.3	Factoring Trinomials of the Type $ax^2 + bx + c$	§5.3	1 – 4 all, 5 -79 odd, 80
§5.4	Factoring Perfect-Square Trinomials and Differences of Squares	§5.4	1 – 93 odd, 103, 111
§5.5	Factoring Sums and Differences of Cubes	§5.5	1 – 37 odd, 47, 48
§5.6	Factoring: A General Strategy	§5.6	5 – 75 odd, 89, 91, 92
§5.7	Solving Polynomial Equations by Factoring	§5.7	5 – 55 odd, 78, 79
§5.8	Solving Applications	§5.8	1 – 35 odd, 45